

Acom 1000 HF Linear Amplifier New LAMCO Barnsley

ACOM 1000 160-6m



Price: £2,299.95

SKU: Acom 1000 New LAMCO Barnsley

In stock: 1

Product Categories: [LAMMY'S SPECIAL PROMOTIONS](#), [ACOM](#), [AMPLIFIERS](#), [COMMERCIAL LINEAR AMPLIFIERS](#)

Product Tags: [Acom 1000 HF Linear Amplifier](#)

Product Page: <https://www.hamradio-shop.co.uk/product/acom-1000/>

Product Summary



Product Description

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ACOM 1000 HF Linear Amplifier is the world's best value in an amateur HF amplifier. The ACOM 1000 gives you a comfortable 1000 watts output on all amateur bands from 160 through 6 meters. **FEATURES Acom 1000 Easy to operate**

The plate-load True Resistance Indicator (TRI) is a powerful tuning aid which, together with the automatically controlled input attenuator, helps the operator to quickly and precisely match antennas (5-10 seconds typically). The auto-operate function (when enabled) maintains the amplifier in OPERATE mode for you, thus saving manual operations and time. **No antenna tuners**

Acom 1000

The amplifier will perform the functions of an antenna tuner for VSWR up to 3:1, thus enabling you change antennas faster and use them over a wider frequency range (saving tuning time).

User-friendly

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An amplifier that is both user-friendly, and that looks after itself. It is designed to safely withstand up to 500W reflected power, up to 100 milliseconds duration of drive spikes, drive RF "tails" after a PTT or KEY release, operator's inadvertent tuning errors etc. It would also not cease to function with a "soft" AC line and would deliver more than half power at only 75% of nominal mains voltage. Withstands up to 10 milliseconds (down to zero) voltage drops, and up to +15% line voltage spikes - important particularly when used at field days, Dxpeditons, etc.

LCD comment display

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Text messages, 12 parameters, and strip peak-reading PEP meter displayed on a dot-matrix, back-lighted LCD. LED indicators are provided for OPERATE,

attenuator-on, and ON/OFF conditions.

Easy maintenance

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Signatures of the amplifier internal status are stored in a nonvolatile memory for 7 most recent auto protection trips. This information is used for diagnostics.

Virtually silent QSK

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The input bypassing and the vacuum antenna relays are very quiet even in CW mode due to their special mounting.

Broadband input matching

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Resulting in very good load to the transceiver over the entire spectrum 1.8-54MHz.

Single 4CX800A (GU74B)

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A Svetlana high performance ceramic-metal tetrode with plate dissipation of 800W is employed (forced air cooling, grid-driven).

Tube protection

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Permanent monitoring and protection of plate and grid voltages and currents, as well as of the exhaust temperature.

Frequency Coverage: All amateur bands 1.8-54MHz; extensions and/or changes on request.

- Power Output: 1000W PEP or continuous carrier, no mode limit.
- Intermodulation Distortion: Better than 35dB below rated output.
- Hum and noise: Better than 40dB below rated output.
- Harmonic Output Suppression:
 - 1.8-29.7MHz - better than 50dB below rated output;
 - 50-54MHz - better than 66dB below rated output.
- Input and Output Impedances:

- nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
- input circuit: broadband, VSWR less than 1.3:1, 1.8-54MHz continuously (no tunings, no switching);
- bypass path VSWR less than 1.1:1, 1.8-54MHz continuously;
- output matching capability: better than VSWR 3:1 or greater at reduced output levels.
- RF Gain: 12.5dB typically, frequency response less than 1dB (50 to 60W drive power for rated output).

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Primary Power: 170-264V (200, 210, 220, 230 & 240V nominal taps, 100, 110 & 120V taps on request, +10%-15%tol.), 50-60Hz, single phase, 2000VA consumption at rated output.

- Complies with CE safety and EMC requirements, as well as FCC-regulations (6,10 & 12m bands lock provided).
- Size & Weight (operating):
 - WxDxH: 422x355x182mm, 22kg.
 - (16.6x14x7.2 inches, 48.5lbs)
- Operating environments:
 - temperature range: 0...+50 degs.Celsius;
 - humidity: up to 75% @ +35 degs.Celsius.
 - height: up to 3000m above sea level without output deterioration

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Product Gallery



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